

REMARKS

The application has been reviewed in light of the final Office Action dated November 27, 2007. Claims 1, 2 and 4-29 are pending in this application, with claim 3 having previously been canceled, without prejudice or disclaimer. By this Amendment, claims 1, 13, 20 and 27 have been amended to clarify the claimed subject matter. Accordingly, claims 1, 2 and 4-29 are presented for continued examination, with claims 1, 13, 20 and 27 being in independent form.

Claims 1, 2 and 4-29 were rejected under 35 U.S.C. § 103(a) as purportedly unpatentable over U.S. Patent No. 6,580,684 to Miyake in view of U.S. Patent No. 5,835,642 to Mimmagh and further in view of U.S. Patent No. 5,740,149 to Iwasaki et al.

This application relates to improvements directed to recording with multipulse patterns (each multipulse pattern includes a multipulse part that is preceded by a front-pulse part and followed by an end-pulse part), including a 1T cycle pattern and a 2T cycle pattern, to an optical information recording medium.

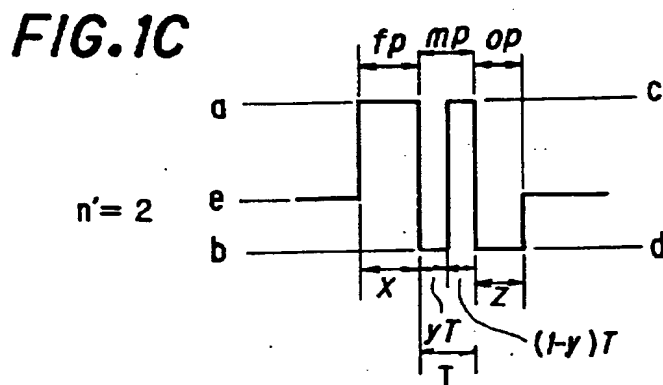
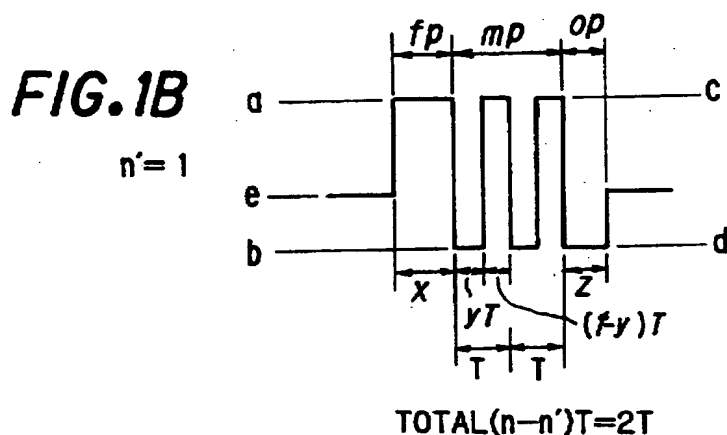
Miyake and Mimmagh, as acknowledged in the Office Action, do not disclose or suggest do not disclose the capability to record with a 1T cycle pattern and a 2T cycle pattern wherein the 1T cycle pattern includes a first front-pulse part, a first end-pulse part and a first multipulse part where the combination of one portion of the heating pulse and one portion of the cooling pulse for the first multipulse part is set as a 1T cycle, and the 2T cycle pattern includes a second front-pulse part, a second end-pulse part and a second multipulse part where the combination of one portion of the heating pulse and one portion of the cooling pulse for the second multipulse part is set as a 2T cycle, as provided by the subject matter of claim 1 of the present application.

Iwasaki does not cure the deficiency.

Iwasaki, as understood by Applicant, proposes an approach for optical disc recording

utilizing a PWM (pulse width modulation) recording system.

Fig. 1C of Iwasaki was cited in the Office Action as purportedly proposing use of a 1T pattern and Fig. 1B of Iwasaki was cited in the Office Action as purportedly proposing use of a 2T pattern. Figs. 1B and 1C of Iwasaki are reproduced below.



However, as plainly evident, Fig. 1B of Iwasaki merely proposes a multi-pulse pattern having a cycle period of T , wherein a cycle period of $2T$ contains two multi-pulse patterns (that is, two heating pulse and two cooling pulse), as opposed to one multi-pulse pattern wherein the combination of a heating pulse and cooling pulse is set as a $2T$ cycle, as provided by the subject matter of claim 1 of the present application.

Independent claims 13, 20 and 27 are patentably distinct from the cited art for at least

similar reasons.

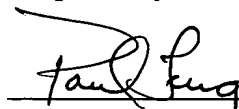
Accordingly, Applicant respectfully submits that independent claims 1, 13, 20 and 27, and the claims depending therefrom, are patentable over the cited art.

In view of the remarks hereinabove, Applicant submits that the application is now in condition for allowance, and earnestly solicits the allowance of the application.

If a petition for an extension of time is required to make this response timely, this paper should be considered to be such a petition. The Office is hereby authorized to charge any fees that may be required in connection with this response and to credit any overpayment to our Deposit Account No. 03-3125.

If a telephone interview could advance the prosecution of this application, the Examiner is respectfully requested to call the undersigned attorney.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Paul Teng", is written over a horizontal line.

Paul Teng, Reg. No. 40,837
Attorney for Applicant
Cooper & Dunham LLP
Tel.: (212) 278-0400